



09/502 945

COFC

DOCKET NO.: L0461.70081US00

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Matthew J. Scanlan et al.  
Patent No.: 6,982,316 B1  
Serial No.: 09/502,945  
Confirmation No.: 5906  
Filed: February 11, 2000  
For: ISOLATED NUCLEIC ACID MOLECULES ASSOCIATED WITH  
COLON CANCER AND METHODS FOR DIAGNOSING AND  
TREATING COLON CANCER  
Examiner: Misook Yu  
Art Unit: 1642

## CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)

The undersigned hereby certifies that this document is being placed in the United States mail with first-class postage attached, addressed to Mail Stop Certificate of Correction, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the 12<sup>th</sup> day of January, 2006.

*Melissa L. Barlow Lyons*  
Melissa L. Barlow Lyons

## Mail Stop Certificate of Correction

Commissioner For Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Transmitted herewith are the following documents:

- Request for Certificate of Correction Under 37 C.F.R. § 1.322
- Certificate of Correction - Form PTO-1050
- Copy of pertinent pages from U.S. Patent No. US 6,982,316 B1
- Return Receipt Postcard

If the enclosed papers are considered incomplete, the Mail Room and/or the Application Branch is respectfully requested to contact the undersigned at (617) 646-8000, Boston, Massachusetts.

A check is not enclosed. If a fee is required, the Commissioner is hereby authorized to charge Deposit Account No. 23/2825. A duplicate of this sheet is enclosed.

Respectfully submitted,  
Matthew J. Scanlan et al., Applicant

By:

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Docket No.: L0461.70081US00  
Date: January 12, 2006  
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JAN 20 2006  
of Correction

FEB 2 2006



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Melissa L. Barlow Lyons

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**Mail Stop Certificate of Correction**  
Commissioner For Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**REQUEST FOR CERTIFICATE**  
**OF CORRECTION UNDER 37 C.F.R. §1.322 and § 1.323**

Sir/Madam:

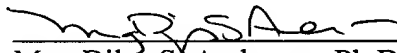
Patentees respectfully request the correction of errors found in the printing of the above-captioned patent. The corrections made to the abstract and to claims 12 rectify typographical errors made by the Patent Office. In the abstract, line 2, "aid" should be replaced with "and". In claim 12, lines 1 and 2, the phrase "at least one" should not be in the claim as it was removed from the claim in the amendment filed on February 16, 2005.

**FEB 2 2006**

Patentees point out that the corrections requested do not involve changes in the patent that constitutes new matter or would require reexamination, and therefore, respectfully request that a certificate of correction be issued. Patentee encloses copies of the patent pages with the errors highlighted. A check is not enclosed. If a fee is deemed necessary, the fee may be charged to the account of the undersigned, Deposit Account No. 23/2825. Should any questions arise concerning the foregoing, please contact the undersigned at the telephone number listed below.

Respectfully submitted,  
*Matthew J. Scanlan et al., Applicant*

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Docket No.: L0461.70081US00  
Date: January 12, 2006  
**xNDDx**

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : US 6,982,316 B1  
DATE : January 3, 2006  
INVENTORS : Matthew J. Scanlan et al.

It is certified that the error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In the abstract:

Line 2 should read as shown below.

--are disclosed. The invention also discloses a diagnostic and--

In the claims:

Claim 12, lines 1 and 2 should read as shown below.

--The composition of matter of claim 2, wherein the--  
--nucleic acid molecule consists of the nucleotide--

MAILING ADDRESS OF SENDER:

PATENT NO. US 6,982,316 B1

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**FEB 2 2006**



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(12) **United States Patent**  
Scanlan et al.

(10) Patent No.: **US 6,982,316 B1**  
(45) Date of Patent: **Jan. 3, 2006**

(54) **ISOLATED NUCLEIC ACID MOLECULES  
ASSOCIATED WITH COLON CANCER AND  
METHODS FOR DIAGNOSING AND  
TREATING COLON CANCER**

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(\*) Notice: Subject to any disclaimer, the term of this  
patent is extended or adjusted under 35  
U.S.C. 154(b) by 0 days.

(21) Appl. No.: **09/502,945**

(22) Filed: **Feb. 11, 2000**

#### Related U.S. Application Data

(62) Division of application No. 08/948,705, filed on Oct.  
10, 1997, now Pat. No. 6,043,084.

(51) Int. Cl.  
**C07K 14/47** (2006.01)  
**C07K 7/00** (2006.01)

(52) U.S. Cl. .... **530/350; 530/300; 424/184.1**

(58) Field of Classification Search ..... **424/277.1,**  
**424/184.1; 530/350, 300**

See application file for complete search history.

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(57) **ABSTRACT**

Various molecules associated with disorders such as cancer  
are disclosed. The invention also discloses diagnostic aid  
therapeutic methods based upon these molecules, as well as  
compositions for stimulating an immune response and meth-  
ods for identifying cancer-associated nucleic acid and  
polypeptide molecules.

**14 Claims, No Drawings**

**FEB 2 2006**

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aagtttaaga agcaatggga agaagactgg ggctcaaagg aacagctact cttgcctaaa 1260
accatcactg ctgaggtaca cccagtaccc cttcgcaagc caaagtatga tcagggagtg 1320
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ccactggagt ctctctctct ccacccctct cctctgccct ctgctcta atgtgccagg 2220
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ttaaaaaaa 2289

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We claim:

1. An isolated protein encoded by an isolated nucleic acid molecule selected from the group consisting of: SEQ ID NOs: 1, 2, 3, 4 and 5.

2. A composition of matter comprising a protein encoded by a nucleic acid molecule selected from the group consisting of SEQ ID NO: 1, 2, 3, 4 and 5.

3. The composition of matter of claim 2, further comprising an adjuvant.

4. The composition of matter of claim 3, wherein said adjuvant is a saponin, GM-CSF, or an interleukin.

5. The isolated protein of claim 1, wherein the isolated nucleic acid molecule consists of SEQ ID NO:1.

6. The isolated protein of claim 1, wherein the isolated nucleic acid molecule consists of SEQ ID NO:2.

7. The isolated protein of claim 1, wherein the isolated nucleic acid molecule consists of SEQ ID NO:3.

8. The isolated protein of claim 1, wherein the isolated nucleic acid molecule consists of SEQ ID NO:4.

9. The isolated protein of claim 1, wherein the isolated nucleic acid molecule consists of SEQ ID NO:5.

10. The composition of matter of claim 2, wherein the nucleic acid molecule consists of the nucleotide sequence set forth in SEQ ID NO: 1.

11. The composition of matter of claim 2, wherein the nucleic acid molecule consists of the nucleotide sequence set forth in SEQ ID NO:2.

12. The composition of matter of claim 2, wherein the at least one nucleic acid molecule consists of the nucleotide sequence set forth in SEQ ID NO:3.

13. The composition of matter of claim 2, wherein the nucleic acid molecule consists of the nucleotide sequence set forth in SEQ ID NO:4.

14. The composition of matter of claim 2, wherein the nucleic acid molecule consists of the nucleotide sequence set forth in SEQ ID NO:5.

\* \* \* \* \*

FEB 2 2006